

[Articulated Neural Electrode Assembly]

Abstract

Apparatuses, devices, and/or systems that may be configured for placement at one or more cortical and/or other neuroanatomical sites to provide electrical stimulation and/or monitor neuroelectric activity within a patient. In one embodiment, an implantable articulated electrode assembly may include an array of electrodes or electrical contacts carried by a support member configured to be implanted or positioned relative to a set of neuroanatomical sites. Various embodiments of the articulated electrode assemblies may comprise multiple portions, segments, paddles, and/or panels having spatially divergent placement capabilities in relation to one another. Such segments or panels may be positioned in a variety of manners relative to each other and/or one or more neuroanatomical sites or locations, which may facilitate establishment of an intended type of stimulation field distribution and/or monitoring configuration.